CLAIMS

1. Method for transcoding a N bits word into a M bits word, N > M, characterized in that it comprises the following steps :

- breaking down the N bits word into an exponent part and a mantissa part having each a size which varies according to the value of said N bits word, the size of the mantissa part increasing with the value of said N bits word, and
- encoding the exponent part of the N bits word into a variable number of bits A and removing, if need be, least significant bits of the mantissa part in order to obtain a mantissa with a variable number of bits B, with A+B=M.

2. Device for transcoding a N bits word into a M bits word, N > M, characterized it comprises

- means for breaking down the N bits word into an exponent part and a mantissa part having each a size which varies according to the value of said N bits word, the size of the mantissa part increasing with the value of said N bits word, and
- means for encoding the exponent part of the N bits word into a variable number of bits A and removing, if need be, least significant bits of the mantissa part in order to obtain a mantissa with a variable number of bits B, with A+B=M.

3. Plasma display panel comprising a degamma means (80) for applying a degamma function to video input data (Y[9:0]) and delivering N bits data and a mapping memory (100) for remapping M bits data, with N>M characterized in that it comprises a transcoding device according to claim 2.